

Schedule for the 11th International Workshop on the Physics of Compressible Turbulent Mixing (IWCPTM 11)

Time	Monday		Tuesday		Wednesday		Thursday		Friday	
	RT		Modeling		RM		Laser/HED		Strength	
8:00	Breakfast		Breakfast		Breakfast		Breakfast		Breakfast	
8:30	Orientation		Announcements		Announcements		S. Haan	Simulations of hydrodynamic instabilities for NIF ignition	Announcements	
8:40	Orientation		O.J. Hill	Resolution Sensitivity in Term Dominance for Plane-averaged Statistics: Comparison of LES to Ideal-RANS	C. Mariani	An Attempt to Reduce the Membrane Effects in Richtmyer-Meshkov Instability Shock Tube Investigations			W.T. Buttler	Correlations Observed in Ejecta Measurements from HE Shocked Sn Samples
9:00	A. Banerjee	Statistical Measurements for Small to High Atwood Number Rayleigh-Taylor Mixing	J. Glimm	Numerical Modeling of Turbulent Mixing	G. Malamud	Bubble Dynamics Effects in Re-Shock Systems	H.R. Robey	Results and Analysis of Indirectly-Driven Precision Double-Shell Implosions on the Omega Laser Facility	G.B. Krasovsky	Development of Shock-Induced Local Perturbations on a Free Surface of Condensed Matter
9:20	S.B. Dalziel	Statistical Measurements for Small to High Atwood Number Rayleigh-Taylor Mixing	P. Pailhories	Customized Coefficients of $k-\epsilon$ Compressible Model for Interfacial Instabilities	B. Motl	Experimental Richtmyer-Meshkov Parameter Study	C.C. Kuranz	2D Blast-Wave Driven Rayleigh-Taylor Instability Experiments	Aprelkov	Experimental Theoretical and Numerical Investigation into Richtmyer-Meshkov Instability in Condensed Matter
9:40	M.J. Andrews	Molecular Mixing Measurements and Effect of Initial Conditions in Small Atwood Number Rayleigh-Taylor Experiments	G. Burton	An a priori Optimized Turbulent Transport and Mixing Model for Large Reynolds Number Rayleigh-Taylor Turbulent Mixing	B. Balakumar	Richtmyer-Meshkov Instability Induced by a Mach 1.2 Shock in a Varicose Curtain	R.P. Drake	Laser Experiments to Study Highly Turbulent Flows	J. Yu Myshkina	Special Features of Cumulative Richtmyer-Meshkov Instability Development on a Curved Free Surface of Condensed Matter Induced by an Oblique Shock Wave
10:00	A.G.W. Lawrie	The Structure and Efficiency of Mixing in Rayleigh-Taylor Instability	J.R. Ristorcelli	A Realizable Eddy Viscosity Model for Reynolds Stresses Driven by Shocks, Pressure Gradient and Buoyancy Driven Variable Density Flows	D. Ranjan	Experimental Analysis of the Physics of the Reshock in the Case of a Shock-Accelerated Thin Fluid Layer	E.C. Harding	Progress toward Kelvin-Helmholtz Instabilities in High-Energy-Density Plasmas on the Nike Laser	G. Ward	A Study of Planar Richtmeyer-Meshkov Instatibility in Fluids with a Mie-Gruneisen Equation of State
10:20	Break		Break		Break		Break		Break	
10:40	A.V. Pavlenko	Determination of the molecular Component Distribution over the Rayleigh-Taylor Turbulent Mixing Zone	K. Stalsberg-Zarling	Evolving the Density-Specific Volume Correlation in the BHR Turbulence Transport Model in RAGE	E. Leinov/O. Sadot	Dependence of the Post Re-Shock Richtmyer-Meshkov Instability Growth Rate on Shock Strength and Initial Spectrum	A.L. Velikovich	Rayleigh-Taylor and Richtmyer-Meshkov Instability at a Re-Shocked Ablation Front	A. Demianov	Bingham Plastic, Yield Stress, and Threshold for Onset of Richtmyer-Meshkov Instability
11:00	G. Layes	Experimental Study of Mixing in Rayleigh Taylor Instability based on Chemical Reactions	A. Llor	Self-Similar Growth Exponents of Turbulent Incompressible Richtmyer-Meshkov Layers at Zero Atwood Number: Landau's Large-Scale Invariant Approach	V.V. Krivets	RMI Experiments with a 3D Interface and Random Phase Initial Perturbations	S. Gauthier	Compressibility and Unsteadiness Effects in Ablation Flow Stability for ICF	J.H.J. Niederhaus	Magnetic-Pulse-Driven Rayleigh-Taylor Instability in Plastically Deforming Metals
11:20	W. Cabot	Direct Numerical Simulations of Rayleigh-Taylor Instability at different Atwood Numbers	G. Hazak	A New Model for the Mixing Process Induced by the Rayleigh-Taylor Instability	C.E. Parrish	Current Progress in AWE Convergent Shock Tube Studies	V.B. Rozanov	Simulation of a Laser Target Strong Mixing under Shperical Compression of the Shells	L.L. Karpenko	The Physical Mechanish and Numerical Simulation of the Hot Spot Growth Velocity during Detonation Initiation
11:40	D.L. Youngs	Three-Layer Rayleigh-Taylor Mixing	V.I. Kozlov	2D Version of the Modified Nikiforov Model	P. Ramaprabhu	Detailed numerical study of single-mode Richtmyer-Meshkov instability	P. Woodward	Simulating Compressible Turbulent Mixing in the Helium Shell Flash Convection Zone of an early Generation Star	DISCUSSION	
12:00	D. Livescu	High Reynolds Number Rayleigh-Taylor Turbulence	K.O. Mikaelian	Reshocks, Rarefactions, and the Generalized Laser Model	Yu V. Yanilkin	Numerical Simulation of the Development of Regular Local Perturbations and Turbulent Mixing behind a Shock Wave for Various WaveStrengths	S.A. Kholin	The Kinematic Instability in Nonstationary Gas Dynamics	DISCUSSION	
12:20	Lunch		Lunch		Lunch		Lunch			
1:40	M. Peybernes	Simulation of a Rayleigh-Taylor Turbulent Mixing Layer under Time Varying Acceleration	DISCUSSION		A. Yu Demianov	Numerical Simulation of Richtmyer-Meshkov Turbulence	J.W. Grove	Temperature Equilibrium Effects on Richtmyer-Meshkov Implosions		
2:00	O. Schilling	Modeling Turbulent Mixing in Small and Large Schmidt Number Rayleigh-Taylor Water Channel Experiments	G. Dimonte	New Terminal Bubble Velocity for Rayleigh-Taylor Instability	B. Thornber	On the Influence of Initial Conditions on the Richtmyer-Meshkov Instability	TP2	CYLINDRICAL CONVERGENCE		
2:20	N.C. Hearn	Fluxes and Structures at Small and Large Scales in the Rayleigh-Taylor Instability and Mixing	TP1	SINGLE MODE RT	M. Hahn	Large Eddy Simulation of Compressible Turbulent Mixing for Large-Scale Initial Perturbations				
2:40	D.M. Israel	Exploring Rayleigh-Taylor Initial Conditions Using a New LES Moment Closures			M. Lombardini	Large-Eddy Simulations of the Richtmyer-Meshkov Instability in a Converging Cylindrical Geometry				
3:00	Break		POSTER 1		Break		POSTER 2			
3:20	H. Yu	"Compressible Rayleigh-Taylor Instability in Cylindrical Geometry			M. Petersen	Direct Numerical Simulations of Shock-Turbulence Interactions				
3:40	V.E. Neuvazhaev	Non-Symmetry of Turbulent Mixing at Rayleigh-Taylor Instability: Analysis of Experiments and Semi-Empirical Models			A.R. Guzhova	Simulation of Turbulence Interaction with a Shock Wave under Conditions of the Experiment by Barre, et al.				
4:00	J. White	Experimental Investigation of 2D Rayleigh-Taylor Instability at Sharp, Well-Defined Interfaces			J. Griffond	Linear Theories for Turbulent Mixing Layer Modelization under Interaction with Shock Waves and Rarefaction Fans				
4:20	E. Son	Rayleigh-Taylor Types Instabilities and Turbulence in Low Temperature Plasmas in Electric and magnetic Fields			J.G. Wouchuk	Interaction of a Planar Shock Wave with an Isotropic Vorticity Field				
4:40	F. Gaysin	Rayleigh-Taylor Instability of Conducting Liquid in Multichannel Discharge Electric Field			L.V. Ktitorov	Turbulent Mixing by Shear Driven Instability behind Shock Front				
5:00	DISCUSSION				DISCUSSION					
5:30										
			Banquet				Scientific Org Dinner			